

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 August 2005 (11.08.2005)

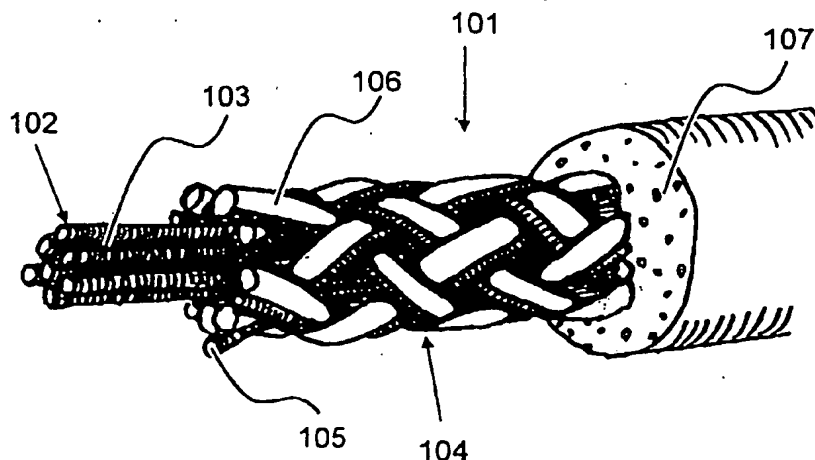
PCT

(10) International Publication Number  
**WO 2005/073685 A1**

- (51) International Patent Classification<sup>7</sup>: **G01L 5/22**, H01H 3/14, D02G 3/44
- (74) Agents: **ATKINSON**, Ralph et al.; Atkinson Burrington, 28 President Buildings, President Way, Sheffield S4 7UR (GB).
- (21) International Application Number: **PCT/GB2005/000358**
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 2 February 2005 (02.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0402191.1 2 February 2004 (02.02.2004) GB
- (71) Applicant (for all designated States except US): **ELEKSEN LIMITED** [GB/GB]; Charter Court, Midland Road, Hemel Hempstead, Hertfordshire HP2 5GE (GB).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SANDBACH, David, Lee** [GB/GB]; Flat C, 9 Westbourne Road, London N7 8AR (GB). **WALKINGTON, Stuart, Mark** [GB/GB]; 72A Westfields, St Albans, Hertfordshire AL3 4LZ (GB).

[Continued on next page]

(54) Title: LINEAR PRESSURE SENSOR



(57) **Abstract:** A linear sensor (101, 201) comprising electrically conductive textile fibres (103, 105, 205, 207) and electrically insulating textile fibres (106, 208). The sensor comprises at least two conductive elements (102, 104, 204, 206) having electrically conductive textile fibres (103, 105, 205, 207). The sensor also has electrically insulating textile fibres (106, 208) spaced to separate the two electrically conductive elements when no pressure is applied to said sensor, and to allow electrical conduction between the two conductive elements under the application of pressure.

WO 2005/073685 A1